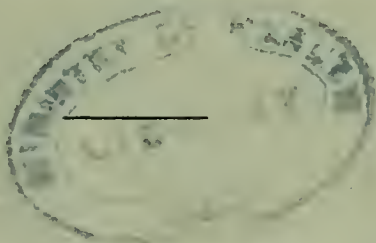


Ffestiniog Urban District Council



R E P O R T

for the year 1947

BY

J. W. MORRIS

L.R.C.P. & S. (Ed.) L.R.F.P.S. (Glas.)

MEDICAL OFFICER OF HEALTH

Printed at the Glorian Office, Blaenau Ffestiniog

To the FFESTINIOG URBAN DISTRICT COUNCIL

Mr. CHAIRMAN and GENTLEMEN,

I have the honour of presenting the following report for the year ended December 31st, 1947.

I have to express my appreciation of the excellent work done by Ernest Jones, Esq., the Sanitary Inspector.

Your obedient Servant,

J. W. MORRIS.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (in acres)	...	...	...	...	16,323
Registrar General's estimate of resident population	...				7,262
Number of inhabited houses (end of 1947) according to					
Rate Book	...	...	...	...	2,411
Rateable Value 1-4-47	...	...	...	...	£25,103
Net sum represented by a penny rate 1946-47	...				£96-1-11

SOCIAL CONDITIONS

The chief industries of the district are Slate and Granite Quarrying, which are extremely strenuous work.

A large percentage of quarrymen work underground, some down to 700 feet, and the rest work in Mills on the surface, where there is a great deal of dust created in sawing and dressing the slate.

Slate Quarrying in the district is responsible for the prevalence of Pulmonary diseases and Rheumatism.

Live Birth Rate for England and Wales, 1947	...	...	20.5
Death Rate for England and Wales	...	...	12.0

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

Public Health Officers of the Authority

Medical. One part-time Medical Officer of Health.

Sanitary Inspector. ERNEST JONES.

Holds :—

1. The Sanitary Inspectors' Certificate of The Royal Sanitary Institute and Sanitary Inspectors' Examination Joint Board.
2. The Meat and Other Foods Certificate of the Royal Sanitary Institute.
3. Diploma of the Institute of Public Health and Hygiene.

Laboratory Facilities

The Examination of Swabs from all suspected cases of Diphtheria is carried out by the Emergency Public Health Laboratory Service, Conway, under the Medical Research Council.

Ambulance Facilities

- (a) **Infectious Cases.** There is no Isolation Hospital in the County at present. Cases are sent to Caernarvon Fever Hospital
- (b) **Non-Infectious and Accident Cases.** A Motor Ambulance Car is available at the Memorial Hospital.
- (c) **Maternity Patients.** Conveyed in the Hospital Motor Ambulance when necessary.

Nursing in the Home

The Ffestiniog Nursing Association employ Three State Registered Nurses who are also qualified Midwives. One of these Nurses is in charge of Ffestiniog Village.

No Nurse is available for infectious diseases.

Clinics and Treatment Centres

The Child Welfare Centre is held fortnightly at the Bowydd Chapel Vestry (in the centre of the town) at 2 p.m. The accommodation is all that could be desired.

Ante-Natal and Post-Natal Cases

The County Medical Officer of Health has arranged a series of these clinics which are held periodically by Mr. J. Gardiner Wigley, F.R.C.S., Chester.

Orthopaedic Clinics

Held fortnightly at the Women's Institute. The clinic is visited regularly by the Orthopaedic Surgeon.

School Clinics

The County Medical Officer of Health arranges these clinics, and I should like to express my appreciation of the thorough and efficient manner in which this work is carried out.

Tuberculosis Clinics

This work is carried out under the auspices of the King Edward VII Welsh National Memorial Association.

The County Tuberculosis Physician attends the Clinic at Wynne Road, on Friday of each week at 11 a.m.

The Clinic has an excellent X-Ray plant and is valuable for ALL CHEST conditions whether tubercle or not.

I desire to express my appreciation of the excellent work done by Dr. Jackson and Dr. Clarke at the Memorial Clinics.

Treatment Centres of Venereal Diseases

This Centre is held at the C. & A. Infirmary, Bangor, on Thursdays 2—5 p.m. for Male Patients, and Fridays 2—5 p.m. for Female Patients.

The Centre is under the control of the County Council, and the County M.O.H. arranges for blood tests (Wassermann Reaction)

Hospitals

There is one Hospital in the district. The Ffestiniog and District Memorial Hospital—situated in the centre of the Town—overlooking Cwmbowydd Valley.

It is a Cottage Hospital for General and Medical Cases. It has 19 beds, and is available for persons residing in the following parishes—Dolwyddelen, Penmachno, Ffestiniog, Maentwrog, Trawsfynydd, Llanfrothen, Penrhyndeudraeth, Talsarnau, Harlech, Llanfair and Llanbedr.

The Ffestiniog U.D. Council has a representative on the Committee of Management.

The Hospital is very well equipped for any major operation and possesses an operating Theatre. An X-Ray plant has been installed with all the latest electro-medical equipment.

The Hospital is doing splendid work.

SANITARY CIRCUMSTANCES OF THE AREA

Water Supply

The whole district, except for some farm houses and a few isolated houses, is supplied with a constant and sufficient supply of water from the Morwynion Lake.

Bacteriological Examinations of the main water supply have shown it to be satisfactory, being Ministry of Health Classification I.

The Chemical analysis carried out by the Emergency Public Health Laboratory, Conway, shows that it has a p.h. value of 6.0 with no temporary hardness, but slight trace of permanent hardness. It has a marked erosive and some solvent action on bright lead.

The Analyst's Report states that the water is chemically satisfactory. The water mains are bitumen coated cast iron and galvanised iron, with copper and galvanised iron service pipes to premises.

The Water Supply of the area is satisfactory in quality and sufficient in quantity.

The Morwynion Lake is a mountain lake and the catchment area is free from all dangers of human pollution. The water is mechanically filtered, chlorinated, and treated with Sulphate of Alumina and Lime at the Garreglwyl Filter-house.

Four samples of water were taken during the year, all of which were reported to be satisfactory.

Samples are bacteriologically examined at the Emergency Public Health Laboratory, Conway.

The proportion of dwelling houses and proportion of population supplied by public mains direct to houses is 97 per cent. By means of stand pipes and wells 3 per cent.

Four miles of trunk mains were scraped during the year. No. 3 Filter drum was completely overhauled and charged with fresh sand and gravel.

Sewerage and Drainage

During the year sewers were maintained and repairs carried out when necessary. A full double treatment for Rodent Control was carried out on all the main sewers.

Rivers and Streams

No special action was taken during the year, apart from cleaning certain parts of the rivers near habitable dwellings when found necessary. Full double treatment for Rodent Control was carried out on two rivers.

Closet Accommodation

One closet over stream was converted into a water closet during the year.

Public Cleansing

There has been no change in the method of collection and disposal of house refuse in the district during the year. The removal of refuse is carried out weekly in practically the whole of the district, and some parts of Tanygrisiau are done twice weekly. The work is done by direct labour, except in the Llan and Manod districts, which are done by contracts. A new Karrier Bantam Scavenging Lorry was purchased during the year.

SANITARY INSPECTION OF THE AREA

Total number of formal notices issued ...	...	...	16
Number complied with ...	...	...	9
Total number of informal notices issued ...	...	...	75
Number complied with ...	...	...	56
Total number of New Houses completed—			
(a) by Local Authority ...	...	...	3
(b) by Private Enterprise ...	...	...	—
Number of plans New Houses, Buildings, etc. ...	...	...	27
Visits to Bakehouses and Food Shops ...	...	...	128
Number of notices re defects ...	...	...	14
Visits to Cowsheds ...	...	...	101
Number of notices re defects ...	...	...	11
Visits to Milk Shops ...	...	...	4
Number of notices re defects ...	...	...	—
Visits to Dairies ...	...	...	22
Number of notices re defects ...	...	...	4
Visits to Slaughter-house ...	...	...	171
Number of notices re defects ...	...	...	1
Notices re removal of ashes ...	...	...	2
Notices re removal of manure ...	...	...	—
Notices re defective drains ...	...	...	53
Number of visits to cases of infectious diseases ...	...	...	14
Number of houses disinfected ...	...	...	34
Number of defective water fittings ...	...	...	126
Number of pail closets converted into W.C. ...	...	...	2
Number of new water closets erected ...	...	...	6
Total number of water closets ...	...	...	2440
Pail closets ...	...	...	59
Privies or other closets ...	...	...	123
Number of closets serving more than one house ...	...	...	26
Milk samples taken for Ministry of Health ...	...	...	—
For County Council ...	...	...	—
For Local Sanitary Authority and Milk Testing and Advisory Scheme ...	...	...	375
Shops and Offices.			
Camping Sites.			
Smoke Abatement			
Swimming Baths and Pools.			
Schools.			

The remarks in last year's Report apply to this year also.

HOUSING

1. Inspection of Dwelling-houses during the Year

(1) (a)	Total number of dwelling-houses inspected for housing defects (under Public Health and Housing Acts)	... ..	196
(b)	Number of inspections made for the purpose		278
(2) (a)	Number of dwelling-houses (included under sub-head (1) above), which were inspected and recorded under the Housing Consolidated Regulations, 1926	... ..	12
(b)	Number of inspections for the purpose	...	22
(3)	Number of dwelling-houses found to be so dangerous or injurious to health as to be unfit for human habitation	... ..	12
(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	... ..	24

2. Remedy of defects during the Year without Service of formal Notices

	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers		29
--	---	--------	----

3. Action under Statutory Powers during the Year

(a) Proceedings under Section 9, 10 and 16 of the Housing Act, 1936

(1)	Number of dwelling-houses in respect of which notices were served requiring repairs	...	None
(2)	Number of dwelling-houses which were rendered fit after services of formal notice :—		
(a)	By Owners	... ..	None
(b)	By Local Authority in default of Owners	...	None

(b) Proceedings under Public Health Acts

(1)	Number of dwelling-houses in respect of which formal notices were served requiring defects to be remedied	... ..	15
(2)	Number of dwelling-houses in which defects were remedied after service of formal notice :—		
(a)	By Owners	... ..	10
(b)	By Local Authority in default of Owner	...	None

(c) **Proceedings under Sections 11 and 13 of the Housing Acts, 1936**

- | | | | | |
|-----|---|-----|-----|------|
| (1) | Number of dwelling-houses in respect of which Demolition Orders were made | ... | ... | None |
| (2) | Number of dwelling-houses demolished in pursuance of Demolition Orders | ... | ... | None |

(d) **Proceedings under Section 12 of the Housing Act, 1936**

- | | | | | | |
|-----|---|-----|-----|-----|------|
| (1) | Number of separate tenements or underground rooms in respect of which closing orders were made | ... | ... | ... | None |
| (2) | Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenements or rooms having been rendered fit | ... | ... | ... | None |

4. Housing Act 1936—Part IV.—Overcrowding

- | | | | | | |
|---------|---|-----|-----|-----|------|
| (a) (1) | Number of dwellings overcrowded at the end of the year | ... | ... | ... | 25 |
| (2) | Number of families dwelling therein... | ... | ... | ... | 27 |
| (3) | Number of persons dwelling therein | ... | ... | ... | 160 |
| (b) | Number of new cases of overcrowding reported during the year | ... | ... | ... | 4 |
| (c) (1) | Number of cases of overcrowding relieved during the year | ... | ... | ... | 3 |
| (2) | Number of persons concerned in such cases | ... | ... | ... | 19 |
| (d) | Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding... | ... | ... | ... | None |
| (e) | Any other particulars with respect to overcrowding upon which the Medical Officer of Health may consider it desirable to report | ... | ... | ... | None |

Other Housing Remarks

No Demolition Orders were made during the year. Permission has been granted to the few owners of Houses scheduled for demolition, to let for duration only, to families approved by the Council. Such houses will be demolished when alternative accommodation is available. Cement was in very short supply in the area during the summer months and in consequence much-needed repairs to homes and other buildings had to be postponed.

290 houses are required for slum clearance and to abate overcrowding. Three new houses were completed and let on the Fron Fawr site during the year, letting being carried out according to a points system.

Seven others are approaching completion on the same site. Lay-out plans are being prepared for filling gaps on other sites. Owing to the curtailment of building by the Government White Paper the Glasdo and Glasfryn sites are not being proceeded with at present. Both sites and lay-out plans have been approved by the Welsh Board of Health and the Town and Country Planning Committee.

New Buildings

Twenty-seven plans were submitted for approval during the year.

Building Licensing

159 building licences were issued during the year authorizing an expenditure of £9,543 on repairs to various properties. Building licences were also issued by the Ministry of Works where the estimated cost exceeded £100.

Food Inspection

(a) Milk Supply

Two new producers were added to the register, and two deleted from the register, during the year.

Number on Register at 31st December, 1947 :—

Producers only	...	...	...	36
Producer-Retailers	...	...	...	18
Retailers only	...	...	...	6
				60

The following are licensed to sell "Tuberculin Tested" "Certified" Milk :—

Messrs David Lewis & Son, Dorvil Street.
Mr. R. D. Williams, Glyn Dairy, Lord Street.
Mrs. Evans, 1 Wynne Road.
Mr. H. Hughes, Maenofferen Dairy
Mr. S. Williams, Maidstone Dairy, Ffestiniog.

(b) Meat Inspection

171 visits were made to the Slaughter-house during the year, a part of which were spent on meat inspection during the evenings.

42 visits to Butchers' Shops.

One new slaughtering licence was renewed during the year.

Meat is supplied from the centre in this district to the population living in the Ffestiniog Urban area, Maentwrog and Trawsfynydd, Bettws-y-Coed and Penmachno and Dolwyddelen.

Slaughter House Report

During the year ended 31st December, 1947, 2704 animals were slaughtered at the Local Ministry of Food Slaughtering Centre. A decrease of 2,195 animals as compared with 1946, viz :—

	1946	1947		
Cattle	... 493	410	decrease	83
Sheep	... 4300	2260	decrease	2040
Calves	... 106	28	decrease	78
Pigs	... 0	6	increase	6

6,036 lbs. of meat and offal were condemned as unfit for human consumption.

Of the 410 cattle slaughtered 37 or 9% were found to be affected with Tuberculosis. One was classified as Generalized Tuberculosis and the whole carcase and offal condemned, and the other 36 were classified as being affected with Localized Tuberculosis, and only the affected part or parts were condemned.

The following is a summary of the condemnations :—

One Generalized T.B. carcase and offal	...	446 lbs.
25 Bovine Lungs Tuberculosis	... ..	277 lbs.
7 Head and Tongues Tuberculosis	... ..	204 lbs.
3 Forequarters Tuberculosis	... ..	398 lbs.
1 Thick Flank Tuberculosis	... ..	3 lbs.
3 Bovine Livers Tuberculosis	... ..	40 lbs.
9 Mesenteric Fats and Intestines T.B.	... ..	195 lbs.
Total T.B. Condemnations	... ..	1563 lbs.
1 Cow carcase and offal Dropsical with Emaciation		321 lbs.
1 Cow carcase and offal fevered flesh Pneumonia		403 lbs.
1 Cow carcase and offal Emaciation with extensive		
	Bruising	456 lbs.
Other diseases and conditions	... ..	2675 lbs.
		<u>5418 lbs.</u>
Total condemnations for cattle	... ..	5418 lbs.
Total condemnations for sheep	... ..	618 lbs.
Total condemnations for calves	... ..	—
Total condemnations 1947	... ..	<u>6036 lbs.</u>

or

2 tons, 13 cwts. 3 qrs. 16 lbs.

Ice Cream

Fourteen samples of ice cream were taken during the year, only three of which satisfactorily passed the Methylene Blue test, the others having failed to come up to the new standard, but the laboratory stated that all were free from dangerous germs. The four small ice cream producers in this area have all complied as to equipment requirements with the exception of recording thermometers, stipulated by the Ice Cream (Heat Treatment) Regulations 1947.

(c) Other Foods

128 visits were made to food shops during the year. The following were condemned as unfit for Human consumption :—

Tinned Foods	...	...	...	714 tins or 1133 lbs.
Fish (wet)	...	...	...	22 stones
Kippers	...	...	...	126 lbs.
Bacon and Ham	...	...	...	10 lbs.
Tea	...	...	...	12½ lbs.
Jam	...	...	...	8 lbs.
Macaroni	...	...	...	46 lbs.
Beef	...	...	...	256 lbs.
Tomatoes	...	...	...	74 lbs.
Syrup	...	...	...	10 lbs.
Peas	...	...	...	92 lbs.
Dates	...	...	...	7½ lbs.
Flour	..	...	...	75 lbs.
Prunes	...	...	...	6 lbs.
Figs	...	...	...	16 lbs.
Frozen lamb	...	...	...	18 lbs.
Biscuits	...	...	...	7 lbs.
Swedes	...	...	...	1½ cwt.
Dried Eggs	...	...	...	13 packets
Oxo Cubes	...	...	...	144
Rolled Oats	...	...	...	12 lbs.
Fish Paste	...	...	...	12 jars
Egg Substitute	...	...	...	2 gallons
Table Jellies	...	...	...	20
Rye Vita	...	...	...	6 lbs.

Communal Feeding of School Children

All the Schools in the Area have their own Communal Feeding Centres. The success of the Centres has been highly satisfactory. This is due largely to the excellent work of the voluntary staff of women workers. I congratulate all concerned as I can testify that these centres have proved of inestimable value to the children. The health and physique of the children have definitely improved as a result to these centres. The meals provided are excellent both in nutritional value and quantity.

FACTORIES ACT, 1937

Prescribed particulars on the administration of the
Factories Act, 1937

PART I OF THE ACT

1.—INSPECTIONS for purposes of provisions as to health
(including inspections made by Sanitary Inspectors)

Premises (1)	Number on Register (2)	Number of		
		Inspect- ions (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	15	34	2	Nil
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	33	75	3	Nil
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	1	—	—	—
TOTAL ..	49	109	5	—

2.—CASES IN WHICH DEFECTS WERE FOUND

Particulars (1)	Number of cases in which defects were found				Number of cases in which pro- secutions were instituted (6)
	Found (2)	Remed- ied (3)	Referred To HM Insp- ector (4)	By HM Insp- ector (5)	
Want of cleanliness (S.1)	—	2	—	2	—
Overcrowding (S.2)	—	—	—	—	—
Unreasonable temperature (S.3) ..	—	—	—	—	—
Inadequate ventilation (S.4) ..	—	—	—	—	—
Ineffective drainage of floors (S.6) ..	—	—	—	—	—
Sanitary Conveniences (S.7) ..					
(a) insufficient	1	—	—	1	—
(b) Unsuitable or defective ..	1	1	—	—	—
(c) Not separate for sexes ..	—	—	—	—	—
Other offences against the Act (not including offences relating to Out-work)	—	—	—	—	—
TOTAL ..	2	3	—	3	—

PART VIII OF THE ACT
O U T W O R K
(Sections 110 and 111)

There are no outworkers in this area

Rainfall in 1947 at Morwynion Lake

Taken at 9 a.m. daily.

Diameter of funnel, 4 inches.

Above Ground, 10 feet.

Above Sea Level, 1320 feet.

MONTH.	Total Depth.	Greatest fall in 24 hours.		Number of Days with	
				.01 ins. or more.	.04 ins. or more.
	Inches.	Inches.	Date.		
January	6.09	1.25	16	15	14
February	—	—	—	—	—
March	6.85	1.10	13	18	17
April	5.36	1.00	5	19	16
May	3.33	.78	22	22	16
June	3.15	.45	17	16	15
July	5.52	1.06	25	21	19
August	.78	.35	3	5	5
September	4.17	.65	22	21	16
October	.70	.27	9	12	4
November	7.18	1.50	11	19	18
December	5.45	1.05	26	16	14
Total ..	48.78			184	154

Rainfall in 1947 at Bethesda Cemetery

Taken at 9 a.m. daily.

Diameter of funnel, 5 inches.

Above Ground, 9 feet.

Above Sea Level, 750 ft.

MONTH.	Total Depth.	Greatest fall in 24 hours.		Number of Days with	
				.01 ins. or more.	.04 ins. or more.
	Inches.	Inches.	Date.		
January	4.44	.85	13	16	14
February	.16	.04	10	8	1
March	7.02	1.50	13	23	20
April	4.71	1.40	7	23	16
May	2.95	.69	22	24	17
June	3.78	.59	6	18	15
July	7.64	1.37	26	23	19
August	.59	.34	3	6	3
September	4.75	1.39	22	21	17
October	.72	.34	9	9	5
November	9.48	1.62	11	25	21
December	7.40	1.45	26	17	14
Total ...	53.64			213	162

The above two tables of rainfall was supplied by Basil G. Jones, Esq.,
the U.D.C. Engineer and Surveyor.

Average rainfall for 1947—51.21.

Average rainfall for 1946—73.58.

Notifiable Diseases (other than Tuberculosis) during the year 1947

	Total Cases notified to Hospital.		Total Cases admitted to Hospital.	Total Deaths.
Smallpox	Nil	Nil	Nil	Nil
Scarlet Fever	12	2	Nil	Nil
Diphtheria	1	1	Nil	Nil
Enteric Fever (including Paratyphoid)	Nil	Nil	Nil	Nil
Puerperal Pyrexia	Nil	Nil	Nil	5
Pneumonia	2	3		
Other diseases generally notifiable :				
Cerebro Spinal Fever	Nil	Nil	Nil	Nil
Measles	1	Nil	Nil	Nil
Whooping Cough	2	Nil	Nil	Nil
Erysipelas	Nil	Nil	Nil	Nil
Other diseases notifiable locally	Nil	Nil	Nil	Nil
Total	18	6	5	

Tuberculosis

NEW CASES AND MORTALITY DURING 1947

Age Periods	New Cases.				Deaths.			
	Respiratory		Non—Respiratory		Respiratory		Non—Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
— ..	—	—	—	—	—	—	—	—
1— ..	—	—	—	—	—	—	—	—
5— ..	1	—	—	—	—	—	—	—
10— ..	1	—	1	—	—	—	—	—
15— ..	—	2	—	—	—	1	—	—
20— ..	—	3	1	—	—	1	1	—
25— ..	1	2	—	—	1	2	—	—
35— ..	2	1	—	—	1	—	—	—
45— ..	—	—	—	—	4	—	—	—
55— ..	2	—	—	—	5	—	—	—
65 and upwards	1	—	—	—	4	—	—	—
Totals	8	8	2	—	15	4	1	—

The rate of non-notified deaths to total tuberculosis deaths—Nil.

The notification of Tuberculosis is satisfactory in the area.

No action was taken in cases of wilful neglect or refusal to notify.

Fibroid phthisis is prevalent among Quarrymen, and slate dust predisposes the Quarrymen to Pulmonary Tuberculosis.

The unhealthy conditions prevailing underground in some of the Quarries render the men more liable to tuberculosis infection.

Since the Clinic (King Edward VII Memorial Association) was opened a few years ago, it has proved that Silicosis is prevalent among Slate Quarrymen, more especially among underground workers.

Since 1940 the Silicosis Act has been extended to include on its Schedule—Slate Mining—so as to cover all workmen employed underground at the Ffestiniog Quarries.

Cancer

No special facilities are available for the diagnosis and treatment of Cancer.

Five men and six women died of Cancer during the year.

Prevention of Blindness

No action was taken under Section 176 of the Public Health Act, 1936, for the prevention of blindness or for the treatment of persons suffering from any disease or injury to the eyes.

GENERAL

18 cases of Infectious diseases (apart from Tuberculosis) were notified during the year.

Five died of Pneumonia during the year.

12 cases of Scarlet Fever were notified during the year. No deaths occurred.

One case of Measles was notified during the year. No deaths.

Two cases of Whooping Cough were notified during the year. No deaths.

Five men and eight women died of Cancer during the year.

The examination of swabs for Diphtheria is being carried out by the Emergency Public Health Laboratory, Brynhyfryd, Conway. This laboratory also undertakes the examination of Pathological and Bacteriological specimens and water analysis. It is doing excellent work.

There is no hospital accommodation for Measles and Whooping Cough in the area.

A supply of Anti-Diphtheria Serum is always kept by the M.O.H. for the use of Medical Practitioners in the area.

No primary or re-vaccination were performed by the M.O.H. under the Public Health (Smallpox Prevention) Regulations, 1917.

There were no cases of locally contracted Anthrax or Rabies reported.

The Local Authority provide the necessary expenditure for the immunisation of school children against Diphtheria on the recommendation of the M.O.H.



